Depth	Contents 7	Reference to last Measurement 8

first & final

BR-60A 28/12/16

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 228257

Serial No.....

Name of work..... Improvements to roads & drains SC colony at Maruthinagara & BB nagara in ward no. 8, Kodigehalli ..... From..... To.....

Name of Contractor of nature of Agency..... Executive Engineer, KRIDL, Bangalore.

Date of commencement of work..... 08-09-2016

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Estimate cost : Rs. 13.80 Lakhs Job code : 008-16-000041 PCode : P1878 AS No. CER/18/15-17 dtd. 1.8.16 TS No. TS/RE/28/16-17 dtd 3.8.16 WO No. BBMP/AE/STR/wo/[illegible]/2016-17 dtd 05.08.2016						
	Measurement recorded on :						
1)	Earthwork excavation by Manual Means in ordinary Soil, excavated surface levelled & sides neatly dressed, disposed earth to be levelled as directed.						
	Item No. (1) @ 10%	228259				115.80	cum
			Limited To			114.36	cum
		@ Rs. 83.16/-				Rs.	9510/-

Item wide

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
9)	Dismantling existing structures like cement concrete work including T&P & scaffolding wherever necessary as directed.						
	Qty vide item No (2) of page		028268			45.84 cum	
				Limited to		43.65 cum	
			@ Rs.	250.56/-		= Rs.	10937.00
10)	Lead for disposal of debris shall be payable at carriage rates by mechanical mean as directed.						
	Qty vide item No.(10) of page		028269			160.84 cum	
				Limited to		158.01 cum	
			@ Rs.	78.99/-		= Rs.	12478.00
8)	Removing RS slab of drain & stacking as directed						
	Qty vide Item No (8) of page		028268			244.20 SqM	
				Limited to		240.00 SqM	
			@ Rs.	63.72/-		= Rs.	15293.00

Serial No.....

Name of work.....

Name of Contractor of

Date of commencemen

Date	Full description, e
1	2
9)	Refixing RS as directed Qty vide item
3)	Providing & OPC cement @ 0.83cum of Materials etc Qty vide item No. (3)

OOK

adth 5	Depth 6	Contents 7	Reference to last Measurement 8
ement concrete nforced			
- - - -		45.94 cum	
ulated to		43.65 cum	
0.56/- - -		= Rs.	18937.00 =
& payable cum as			
- - - -		160.84 cum	
ulated to		158.01 cum	
8.99/- - -		= Rs.	12478.00 =
ordered			
- - - - -		244.20 SqM	
Limited to		240.00 SqM	
3.72/- - -		= Rs.	15293.00 =

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 228258

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
9)	Refixing dis slab ✓ as directed.	dealing & painting is CM 1:3					
	Qty vide item no. 9 ✓	page 228270 - - - - -		Limited to		244.20 SqM	
				@ Rs. 78.84/-		240.00 SqM - Rs.	18921.00 =
3)	providing & laying in position pcc ✓ M15 1:4:8 using OPC cement @ 180 kg with 40 mm dia Metal, CA @ 0.83 cum FA @ 0.57 cum machine mixed cost of all Materials etc complete as directed.					59.81 cum	
	Qty vide item no. (3) ✓	page 228270 - - - - -		Limited to		59.67 cum	
				@ Rs. 5070.60/-		= Rs.	302563.00 =

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
4)	providing & laying in position pcc using M25 grade 420 with OPC cement @ 300 kg/cum @ 0.84 cum, sand @ 0.42 cum with super plasticizer @ 3 lts, machine mixed, concrete laid in layers not exceeding 150mm compacted & completed. CC road in DB nagara cross road	1 x 20 x $\frac{(2.3+2.0)}{2}$ x 0.10				4.30 cum	
		1 x 20 x $\frac{(2.0+2.0)}{2}$ x 0.10				4.00 "	
		1 x 10.0 x $\frac{(2.0+3.1)}{2}$ x 0.10				2.55 "	
		1 x 17.0 x $\frac{(3.1+2.1)}{2}$ x 0.10				4.42 "	
		1 x 15.0 x $\frac{(2.1+2.3)}{2}$ x 0.10				3.45 "	
	Checked.	1 x 20.0 x $\frac{(2.3+2.0)}{2}$ x 0.10				4.50 "	
		1 x 15.0 x $\frac{(2.0+2.5)}{2}$ x 0.10				2.37 "	
	28	1 x 15.0 x $\frac{(2.5+1.7)}{2}$ x 0.10				3.15 "	
	D.E. (Civil)	1 x 20.0 x $\frac{(1.7+2.3)}{2}$ x 0.10				4.00 "	
		1 x 5.70 x $\frac{(2.3+2.0)}{2}$ x 0.10				1.22 "	
	Conservancy gully	1 x 11.0 x $\frac{(1.8+1.7)}{2}$ x 0.10				1.92 "	
		1 x 11.0 x $\frac{(1.4+1.3)}{2}$ x 0.10				1.48 "	

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work	N
1	2	
5)	Vacuum dewatering mat & compaction with floating disc on CC road in DB nagara cross road	

Depth 6	Contents 7	Reference to last Measurement 8
0 with CA thereon layers etc.		
0	4.30 ← cum	
10	4.00 ← "	
0	2.55 ← "	
0	4.42 ← "	
0	3.45 ← "	
0	4.50 ← "	
.10	2.37 ← "	
10	3.15 ← "	
.10	4.00 ← "	
.10	1.22 ← "	
0	1.92 ← "	
10	1.48 ← "	

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

228259

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	10.50	$\frac{1.3+1.4}{2}$	0.10	1.52	cum
					Total	39.88	cum
				Limited to		39.78	cum
			@ Rs.	5991.84/-		- - Rs.	238355.00
5)	Vacuum dewatering with vacuum pump & suction mat & compaction with skin float with floating disc as directed. CC road in RS regular concrete road	1	20.00	$\frac{2.3+2.0}{2}$		42.00	Sqm
		1	20.0	$\frac{2.0+2.0}{2}$		40.00	"
		1	10.00	$\frac{2.0+3.1}{2}$		25.50	"
		1	17.0	$\frac{3.1+2.1}{2}$		44.20	"

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Conservancy gully	1	15.0	$\frac{(2.1+2.5)}{2}$		34.50	Sqm
		1	20.0	$\frac{(2.5+2.0)}{2}$		45.00	"
		1	15.0	$\frac{(2.0+2.5)}{2}$		32.75	"
		1	15.0	$\frac{(2.5+1.7)}{2}$		31.50	"
		1	20.0	$\frac{(1.7+2.3)}{2}$		40.00	"
		1	5.70	$\frac{(2.3+2.0)}{2}$		12.25	"
		1	11.00	$\frac{(1.8+1.7)}{2}$		19.25	"
		1	11.0	$\frac{(1.4+1.3)}{2}$		14.85	"
		1	10.30	$\frac{(1.5+1.4)}{2}$		15.22	"
					Total	299.02	Sqm
				Limited to		397.80	Sqm
				@ Rs. 97.20/-		- Rs.	38666.00
c)	Providing groove cutting for cement pavement with 3 mm to 10 mm & depth 20-100 mm including cost of all materials labour etc complete.	12	2.25	-		27.00	Rm
				Limited to		26.00	Sqm
				@ Rs 124.20/-		- Rs.	3229.00

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2
f)	Providing & laying in 1:2:4 aggregate 20 steel reinforcement cost of all materials over existing RCC drain

MC & FC

Add 25% KRIDL

KRIDL

Depth 6	Contents 7	Reference to last Measurement 8
	34.50	SqM
	45.00	"
	32.75	"
	31.50	"
	40.00	"
	12.25	"
	19.25	"
	14.85	"
	15.22	"
total	299.02	SqM
to	397.80	SqM
-	- M.	38666.00
with		
luding		
e.		
-	27.00	RM
ed to	26.00	CM
. .	. . M.	2229.00

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 228260

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
#)	Providing & laying in position RCC M20 mix with 16mm aggregate & Fe 500 steel reinforcement including cost of all materials etc complete. including straightening cutting complete.						
	over existing RCC deck	250	0.60	0.90	-	135.00	SqM.
		167		1.50	-	250.50	SqM.
		4				385.50	
				Limited to		184.65	
			@ Rs. 1600/-			= M.	295360/-
			total Bill	Amount		= Rs.	1265312.50
	Add KRIDL charges @ 8%					Rs.	101225.-
	KRIDL Charge @ 1%					Rs.	12653.-
			Total Payable	Amount	-	Rs.	1360538.50

MC & FC

Payable 25 x 16

Grand total Rs: 13,79,191-0

MEASUREMENT BOOK

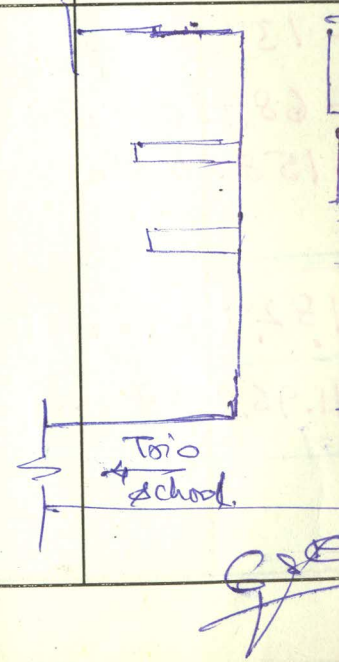
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate The work is completed satisfactorily & there are no departmental issues to this work. AE 25/X/16 Dy Gdy 25/X/16						

Serial No.....

Name of work.....

Name of Contractor of nat

Date of commencement of

Date	Full description, etc,
1	2
	

epth 6	Contents 7	Reference to last Measurement 8

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

228261

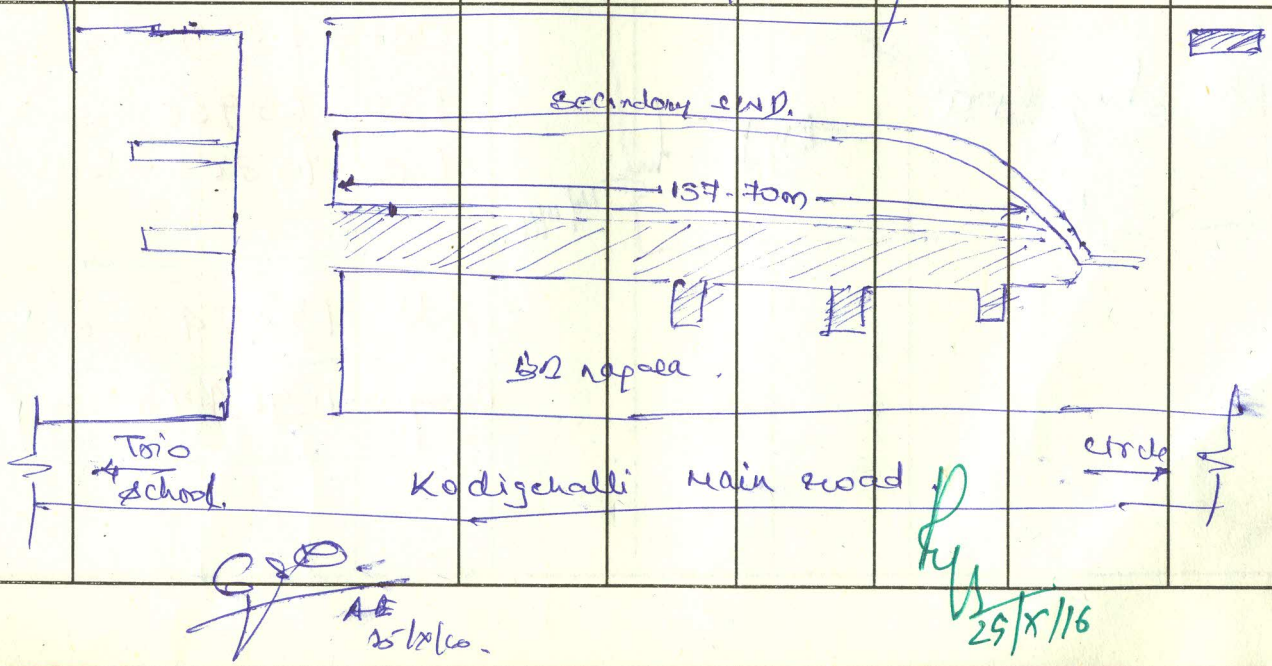
Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Towards NTI Layout						CC road.



AE 25/X/16.

25/X/16

BR NO: 604 | 28.10.16.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total Rs	13,79,191-0	
					ST -	27584-0	
					VAT -	55168-0	
					Cess -	13792-0	
					CSF -	1379-0	
					FSD -	68960-0	
					LR -	15860-0	
					Ads	1,82,743-0	
					Cheque	11,96,448-0	

Serial No.....

Name of work.....

Name of Contractor of nature of

Date of commencement of work..

Date	Full description, etc, of work
1	2